

AMENDMENTS TO THE SPECIFICATION:

Please delete the word "Specification" at page 1, line 1.

Please add the following centered heading at page 1, line 4:

TECHNICAL FIELD

Please add the following centered heading at page 1, line 9:

BACKGROUND

Please add the following centered heading at page 1, line 16:

SUMMARY

Please add the following centered heading at page 5, line 9:

DESCRIPTION OF THE DRAWINGS

Please add the following centered heading at page 6, line 4:

DETAILED DESCRIPTION

Please replace the Abstract on page 16 with the following new Abstract:

A system includes plural sensors to detect at least one of a magnetic field and an electrical field, where each of the plural sensors includes outputs that output sensor signals when a field is detected. Plural signal modulators receive sense signals that correspond to

sensor signals from corresponding ones of the plural sensors. Each of the plural signal modulators has first and second control states. In the first control state, each signal modulator outputs sense signals, and, in the second control state, each signal modulator outputs inverted sense signals. A device receives and processes the sense signals or the inverted sense signals.

Please delete the phrase "Fig. 3A" at page 16, line 16.